

I claim:

1. A method of communicating with a built-in sensor, the sensor receiving a supply voltage externally via a voltage supply line and outputting an output signal with successive signal pulses, the method which comprises the steps of:

placing a sensor into a detection mode;

externally modulating a supply voltage on a voltage supply line connected to the sensor;

analyzing the modulated supply voltage received in the sensor with regard to a fulfillment of a predetermined criterion stored in the sensor; and

interpreting the received modulated supply voltage as an external communication signal if the criterion is fulfilled.

2. The method according to claim 1, which comprises outputting with the sensor an output signal having successive logic L and H signal pulses.

3. The method according to claim 1, wherein the sensor is a rotational speed sensor and the method further comprises:

supplying the rotational speed sensor externally via a two-wire current interface;

526  
25  
09716900-112000

7. The method according to claim 5, wherein a logic "0" corresponds to an H pulse with 1/3 period duration and an L pulse with 2/3 period duration.

13. The method according to claim 1, wherein the sensor is a rotational speed sensor built into a motor vehicle and the method comprises measuring a rotary speed of a motor vehicle component.

14. The method according to claim 1, wherein the sensor is built into a motor vehicle and is externally accessible via the voltage supply line.

15. The method according to claim 1, wherein the sensor is built into a household appliance and is externally accessible via the voltage supply line.

09716900-112000